

What is claimed is:

1. A water-soluble composition which comprises

(A) coenzyme Q₁₀ of 5 to 40 % by weight, (B) monoester of polyglycerol
5 with averaged polymerization degree of 10 and fatty acid having 18
carbon atoms of 5 to 30 % by weight, (C) mono-, di-, tri- or penta-ester of
polyglycerol with average polymerization degree of 3-6 and fatty acid
having 18 carbon atoms of 1 to 18 % by weight, and (D) water wherein its
averaged particle diameter is 110 nm or smaller.

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2. The water-soluble composition of Claim 1, wherein said fatty acid
composing component (B) is stearic acid, oleic acid or linoleic acid, and
wherein said fatty acid composing component (C) is stearic acid, oleic acid
or linoleic acid.

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3. The water-soluble composition of Claim 1 or 2, further comprises (E) a
solubilizer of 10 to 80 % by weight.

4. The water-soluble composition of Claim 3, wherein said solubilizer is
20 gum, saccharide or polyhydric alcohol.

5. The water-soluble composition of Claim 1, wherein a weight ratio of
[(A)] / [(B)+(C)] is within the range of 1/(5 -0.7) and wherein a weight ratio
of (B) / [(C)] is within the range of 1/(0.2 -1).

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6. A process for producing the water-soluble composition according to

Claim 1 which comprises the steps of:

(I) heating and dissolving the components (B), (C), (D) and optionally the component (E);

(II) adding component (A) and mixing; and at least one selected from

5 (III) homogenizing the resultant mixture with a shear force of 750 m/minute or greater as a peripheral-speed of an agitation blade using a homo-mixer; or

(IV) homogenizing the resultant mixture under a homogenizing pressure of 98 MPa (1,000kg/cm²) or greater using a homogenizer.

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7. The process of Claim 6, wherein said step (III) or (IV) is repeated, or wherein the steps (III) and (IV) are successively carried out.

8. Medicines containing said water-soluble composition described in Claim

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9. Foods and beverages containing said water-soluble composition described in Claim 1.

20 10. Cosmetics containing said water-soluble composition described in Claim 1.

11. Feeds containing said water-soluble composition described in Claim 1.